

# Converting Colors

`RYB(198, 180, 208)`

Have a look what the booklet for  
RYB(198, 180, 208) contains.

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# Color

**R<sub>Y</sub>B(198, 180, 208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B4D0
RGB	198, 180, 208
RGB Percent	78%, 71%, 82%
CMY	0.2235, 0.2941, 0.1843
CMYK	0.05, 0.13, 0.00, 0.18
HSL	279°, 23%, 76%
HSV	279°, 13%, 82%
XYZ	50.9951, 49.2023, 66.4838
YIQ	188.5740, 1.7400, 12.5240

# Conversions

## Conversions Part 2

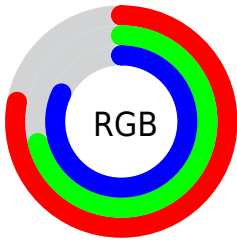
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 180, 208
Decimal	13022416
CIE <sub>Lab</sub>	75.58, 11.56, -11.78
CIE <sub>LCh</sub>	76, 16.506, 314.451
Yxy	49.2023, 0.3059, 0.2952
Android (android.graphics.Color)	4291212496 (0xFFC6B4D0)
YUV	188.5740, 9.5770, 8.2666
Hunter-Lab	70.1444, 7.0172, -7.0948

# Details

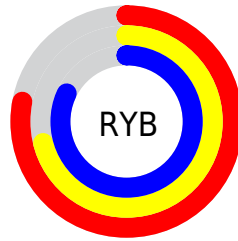
The RYB color **198, 180, 208** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **180, 208, 198**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 236, 255**, and **144, 127, 154** is the 20% darker color. If you saturate the color by 10%, you get **191, 159, 208**, and if you desaturate by 10%, it is **205, 201, 208**.

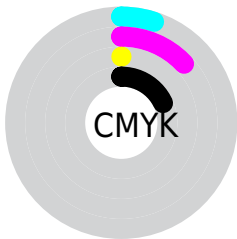
# Distribution



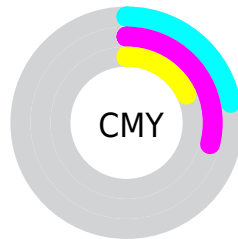
- Red (78%)
- Green (71%)
- Blue (82%)



- Red (78%)
- Yellow (71%)
- Blue (82%)



- Cyan (5%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (22%)
- Magenta (29%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 198, 180, 208 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 198, 180, 208 by changing the saturation by 10% instead.





 198, 180, 208

255, 255, 255

 255, 236, 255

 198, 180, 208

 171, 153, 180

 144, 127, 154

 118, 102, 128

 94, 78, 103

 70, 55, 79

 47, 34, 56

 27, 12, 34

 0, 0, 10

 0, 0, 0

198, 180, 208

198, 180, 208

191, 159, 208

205, 201, 208

183, 138, 208

208, 222, 217

176, 118, 208

208, 242, 230

168, 97, 208

208, 255, 235

161, 76, 208

208, 255, 228

153, 55, 208

208, 255, 220

146, 34, 208

208, 255, 213

139, 14, 208

208, 255, 208

134, 0, 208

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



179, 184, 215



198, 180, 208



212, 177, 195

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



198, 180, 208



204, 206, 157



147, 172, 195

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



198, 180, 208



180, 208, 198

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



157, 181, 195



198, 180, 208



160, 191, 157

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



198, 180, 208



216, 182, 166



164, 192, 183



148, 174, 207

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



198, 180, 208



217, 176, 184



164, 192, 183



150, 174, 195



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



198, 180, 208



251, 245, 255



180, 187, 208



125, 121, 128



0, 0, 0



128, 128, 128



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



198, 180, 208



240, 214, 255



208, 180, 204



101, 94, 105



108, 0, 168



26, 0, 41



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



208, 180, 190



255, 214, 229



180, 205, 208



105, 94, 98



168, 0, 60

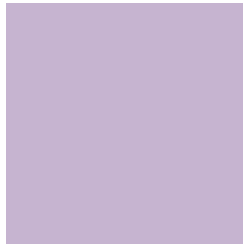


41, 0, 15



# Previews

## White Background



This preview shows how the RYB color 198, 180, 208 looks on a white background.

## Color Contrast Check

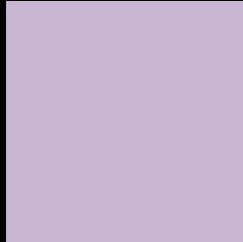
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 198, 180, 208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

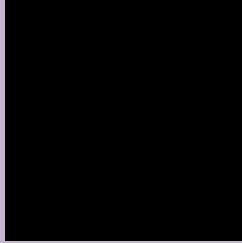
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 198, 180, 208 Background



This preview shows how black text looks on a background with the RYB color 198, 180, 208.



This preview shows how white text looks on a background with the RYB color 198, 180, 208.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


## Dichromacy



**Original Color**  
[198, 180, 208](#)

**Protanopia**  
[182, 185, 211](#)

**Deuteranopia**  
[194, 181, 208](#)



**Tritanopia**  
196, 182, 196

# Trichromacy



**Original Color**

198, 180, 208

**Protanomaly**

188, 183, 210

**Deuteranomaly**

195, 181, 208

**Tritanomaly**

197, 181, 200

# Monochromacy



**Original Color**

198, 180, 208

**Achromatopsia**

189, 189, 189

**Achromatomaly**

192, 186, 196

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 198, 180, 208 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(198, 180, 208) looks like.

```
.text, #text, p{  
    color:rgb(198, 180, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 180, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 180, 208) }
```

## Border

The CSS property to change the border of an element to RYB 198, 180, 208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 180, 208) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 180, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 180, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 180, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 180, 208);  
box-shadow:4px 4px 4px 4px rgb(198, 180,  
208) }
```

# Background

The CSS property to change the background color of an element to RYB 198, 180, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 180, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
180, 208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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